

BRS L1 20 ((dielectric with layer\$6) same modulat\$6) and (quantum with well) and (pump\$6 same modulat\$7) USPAT; US-PGPUB 2004/05/31 21:58  
0

BRS L2 12 ((dielectric with layer\$6) same modulat\$6) and (quantum with well) and (pump\$6 with modulat\$7) USPAT; US-PGPUB 2004/05/31 21:32  
0

BRS L3 12 ((dielectric with layer\$6) same modulat\$6) and (quantum with well) and (pump\$6 with modulat\$7) USPAT; US-PGPUB 2004/05/31 21:32  
0

BRS L4 1 "20030035610" and (phas\$6 same pump\$6 same modulat\$6)  
USPAT; US-PGPUB 2004/05/31 21:58 0

BRS L5 1 4 and (modulat\$6 same (index or indic\$6)) USPAT; US-PGPUB  
2004/05/31 21:59 0

BRS L6 8 ((dielectric with layer\$6) same modulat\$6) and (quantum with well) and (pump\$6 same modulat\$7) and (phas\$6 same pump\$6 same modulat\$6)  
USPAT; US-PGPUB 2004/05/31 21:59 0

BRS L7 7 6 and (modulat\$6 same (index or indic\$6)) USPAT; US-PGPUB  
2004/05/31 22:49 0

BRS 1 "20030035610" USPAT; US-PGPUB 2004/05/31 21:56  
0

BRS 1 "20030035610" USPAT; US-PGPUB 2003/12/20 11:26  
0

BRS 18 ((dielectric with stack) same modulat\$6) and (quantum with well)  
USPAT; US-PGPUB 2003/12/20 11:53 0

BRS 18 ((dielectric with stack) same modulat\$6) and ((gallium with arseni\$6) or  
(aluminu\$6 with arseni\$6)) USPAT; US-PGPUB 2003/12/20 11:57  
0

BRS 3 (((dielectric with stack) same modulat\$6) and (quantum with well)) and  
(((dielectric with stack) same modulat\$6) and ((gallium with arseni\$6) or (aluminu\$6  
with arseni\$6))) USPAT; US-PGPUB 2003/12/20 11:35 0

BRS 0 6259719.URPN. USPAT 2003/12/20 11:48  
0

BRS 7 5726462.URPN. USPAT 2003/12/20 11:50  
0

BRS 155 ((dielectric with layer\$6) same modulat\$6) and (quantum with well)  
USPAT; US-PGPUB 2004/05/31 21:26 0

BRS 18 ((dielectric with stack) same modulat\$6) and ((gallium with arseni\$6) or  
(aluminu\$6 with arseni\$6)) and ((gallium with arseni\$6) or (aluminu\$6 with arseni\$6))  
USPAT; US-PGPUB 2003/12/20 11:54 0

BRS 140 ((dielectric with layer\$6) same modulat\$6) and (quantum with well) and  
((gallium with arseni\$6) or (aluminu\$6 with arseni\$6) or \$2"GaAs" or AlAs)  
USPAT; US-PGPUB 2003/12/20 11:59 0

BRS 17 ((dielectric with stack) same modulat\$6) and (quantum with well) and  
((gallium with arseni\$6) or (aluminu\$6 with arseni\$6) or \$2"GaAs" or AlAs)  
USPAT; US-PGPUB 2003/12/20 12:03 0

BRS 147 (((dielectric with layer\$6) same modulat\$6) and (quantum with well) and ((gallium with arseni\$6) or (aluminu\$6 with arseni\$6) or \$2"GaAs" or AlAs)) or (((dielectric with stack) same modulat\$6) and (quantum with well) and ((gallium with arseni\$6) or (aluminu\$6 with arseni\$6) or \$2"GaAs" or AlAs)) USPAT; US-PGPUB

2003/12/29 06:55 0

BRS 2 (((((dielectric with layer\$6) same modulat\$6) and (quantum with well) and ((gallium with arseni\$6) or (aluminu\$6 with arseni\$6) or \$2"GaAs" or AlAs)) or (((dielectric with stack) same modulat\$6) and (quantum with well) and ((gallium with arseni\$6) or (aluminu\$6 with arseni\$6) or \$2"GaAs" or AlAs))) and 385/16.ccls.

USPAT; US-PGPUB 2003/12/27 15:10 0

BRS 38 (((((dielectric with layer\$6) same modulat\$6) and (quantum with well) and ((gallium with arseni\$6) or (aluminu\$6 with arseni\$6) or \$2"GaAs" or AlAs)) or (((dielectric with stack) same modulat\$6) and (quantum with well) and ((gallium with arseni\$6) or (aluminu\$6 with arseni\$6) or \$2"GaAs" or AlAs))) and (phas\$6 near2 modulat\$6) USPAT; US-PGPUB 2003/12/27 15:30 0

BRS 11 (((((dielectric with layer\$6) same modulat\$6) and (quantum with well) and ((gallium with arseni\$6) or (aluminu\$6 with arseni\$6) or \$2"GaAs" or AlAs)) or (((dielectric with stack) same modulat\$6) and (quantum with well) and ((gallium with arseni\$6) or (aluminu\$6 with arseni\$6) or \$2"GaAs" or AlAs))) and (phas\$6 near2 modulat\$6)) and (dielectric\$6 with refract\$6 with index) USPAT; US-PGPUB

2003/12/27 15:40 0

BRS 41 (((((dielectric with layer\$6) same modulat\$6) and (quantum with well) and ((gallium with arseni\$6) or (aluminu\$6 with arseni\$6) or \$2"GaAs" or AlAs)) or (((dielectric with stack) same modulat\$6) and (quantum with well) and ((gallium with arseni\$6) or (aluminu\$6 with arseni\$6) or \$2"GaAs" or AlAs))) and ((Gaas with Alas) or (gallium with aluminum)) USPAT; US-PGPUB 2003/12/27 15:43

0

BRS 4 ((((((dielectric with layer\$6) same modulat\$6) and (quantum with well) and ((gallium with arseni\$6) or (aluminu\$6 with arseni\$6) or \$2"GaAs" or AlAs)) or (((dielectric with stack) same modulat\$6) and (quantum with well) and ((gallium with arseni\$6) or (aluminu\$6 with arseni\$6) or \$2"GaAs" or AlAs))) and (phas\$6 near2 modulat\$6)) and (dielectric\$6 with refract\$6 with index)) and (((((dielectric with layer\$6) same modulat\$6) and (quantum with well) and ((gallium with arseni\$6) or (aluminu\$6 with arseni\$6) or \$2"GaAs" or AlAs)) or (((dielectric with stack) same modulat\$6) and (quantum with well) and ((gallium with arseni\$6) or (aluminu\$6 with arseni\$6) or \$2"GaAs" or AlAs))) and ((Gaas with Alas) or (gallium with aluminum))) USPAT; US-PGPUB 2004/05/29 23:55 0

BRS 147 (((dielectric with layer\$6) same modulat\$6) and (quantum with well) and ((gallium with arseni\$6) or (aluminu\$6 with arseni\$6) or \$2"GaAs" or AlAs)) or (((dielectric with stack) same modulat\$6) and (quantum with well) and ((gallium with arseni\$6) or (aluminu\$6 with arseni\$6) or \$2"GaAs" or AlAs)) USPAT; US-PGPUB

2003/12/29 06:56 0

BRS 23 (((((dielectric with layer\$6) same modulat\$6) and (quantum with well) and ((gallium with arseni\$6) or (aluminu\$6 with arseni\$6) or \$2"GaAs" or AlAs)) or (((dielectric with stack) same modulat\$6) and (quantum with well) and ((gallium with

arseni\$6) or (aluminu\$6 with arseni\$6) or \$2"GaAs" or AlAs)) ) and (free with carr\$6)  
 USPAT; US-PGPUB 2003/12/29 07:41 0  
 BRS 3 5321253.URPN. USPAT 2003/12/29 07:31  
 0  
 BRS 1 5321253.pn. and (optic\$6 with generat\$6) USPAT; US-PGPUB  
 2004/05/29 23:55 0  
 BRS 87 GaAs with AlGaAs with dielectric\$6 USPAT; US-PGPUB 2003/12/29  
 09:27 0  
 BRS 25 GaAs with dop\$6 with nonlinear\$6 USPAT; US-PGPUB 2003/12/29  
 09:27 0  
 BRS 3 5751466.pn. or 5907427.pn. or 6028693.pn. USPAT; US-PGPUB  
 2004/05/30 00:23 0  
 BRS 0 5907427.pn. and (gaas same "610") USPAT; US-PGPUB 2004/05/30  
 00:24 0  
 BRS 1 5907427.pn. and "610" USPAT; US-PGPUB 2004/05/30 00:23  
 0  
 BRS 1 5907427.pn. and (gaas same defect) USPAT; US-PGPUB 2004/05/31  
 12:39 0  
 BRS 13 5907427.URPN. USPAT 2004/05/31 12:43  
 0  
 BRS 17 6028693.URPN. USPAT 2004/05/31 12:43  
 0  
 BRS 0 5907427.pn. and (phas\$6 same modulat\$6) USPAT; US-PGPUB  
 2004/05/31 12:40 0  
 BRS 0 5907427.pn. and phas\$6 USPAT; US-PGPUB 2004/05/31 12:40  
 0  
 BRS 11 6028693.URPN. and phas\$6 USPAT 2004/05/31 14:48  
 0  
 BRS 3 5907427.URPN. and (phas\$6 same modulat\$6) USPAT  
 2004/05/31 12:43 0  
 BRS 3 6028693.URPN. and (phas\$6 same modulat\$6) USPAT  
 2004/05/31 12:43 0  
 BRS 5 (5907427.URPN. and (phas\$6 same modulat\$6) ) or (6028693.URPN.  
 and (phas\$6 same modulat\$6) ) USPAT 2004/05/31 12:53  
 0  
 BRS 1 "20030035610" and (phase with modulat\$6) USPAT; US-PGPUB  
 2004/05/31 14:57 0  
 BRS 1 ((5907427.URPN. and (phas\$6 same modulat\$6) ) or (6028693.URPN.  
 and (phas\$6 same modulat\$6) )) and carrier USPAT 2004/05/31 13:09  
 0  
 BRS 2 ((5907427.URPN. and (phas\$6 same modulat\$6) ) or (6028693.URPN.  
 and (phas\$6 same modulat\$6) )) and volt\$6 USPAT 2004/05/31 13:10  
 0  
 BRS 0 6028693.PN. and (decreas\$6 with ind\$7) USPAT 2004/05/31  
 14:49 0

BRS 1 6028693.PN. and (increas\$6 with ind\$7) USPAT 2004/05/31  
14:49 0

BRS 1 "20030035610" and (decreas\$6 with ind\$7) USPAT; US-PGPUB  
2004/05/31 15:01 0

BRS 1 ((5907427.URPN. and (phas\$6 same modulat\$6) ) or (6028693.URPN.  
and (phas\$6 same modulat\$6) )) and (decreas\$6 with ind\$7) USPAT; US-PGPUB  
2004/05/31 15:01 0